High temperature solid electrolyte fuel cell configurations.

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Abstract of **EP0055016**

High temperature fuel cell configurations and interconnections including annular cells (12) having a solid electrolyte (30) sandwiched between thin film electrodes (28, 36). The cells (12) are electrically interconnected along an elongated axial outer surface through an electrically conductive interconnect (34, 40). With this arrangement, ohmic losses are small since the current is directed from one cell to another through a short path which is normal to the annular surface. Another advantage is an increased reliability since electrical connection is through an elongated surface spanning the length of the cell and hence localized failure will not defeat current transfer.